

ABSTRACT OF THE DISCLOSURE

A three piece nozzle assembly for injecting molten plastic in an injection molding machine carrying out a high pressure, high volume continuous molding process to mold thin walled parts. A nozzle housing has an internally threaded dual diameter bore in one end which receives in one bore portion an externally threaded shank of a nozzle. A sleeve is threaded into the other bore portion and is tightened adjacent to a flange on the nozzle shank to lock the nozzle to the housing and prevent the pressure of the injection molding from working the nozzle loose from the housing. A gap is formed between the sleeve and nozzle shank to reduce the thermal effects.

091610272.070600